

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number
WO 2005/089430 A3

(51) International Patent Classification⁷:

A61B 5/05

(21) International Application Number:

PCT/US2005/008907

(22) International Filing Date: 17 March 2005 (17.03.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/554,018 17 March 2004 (17.03.2004) US

(71) Applicant (for all designated States except US): **NEURORECOVERY, INC.** [US/US]; 1649 McFarland Boulevard N., Suite 202, Tuscaloosa, AL 35406 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MILLER, Landon, C., G.** [US/US]; 345 Queen City Avenue, Tuscaloosa, AL 35401 (US).

(74) Agents: **GOLDSTEIN, Avery, N.** et al.; Gifford, Krass, Groh, Sprinkle, Anderson & Citkowski, P.C., 2701 Troy Center Drive, Suite 330, Troy, MI 48007-7021 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

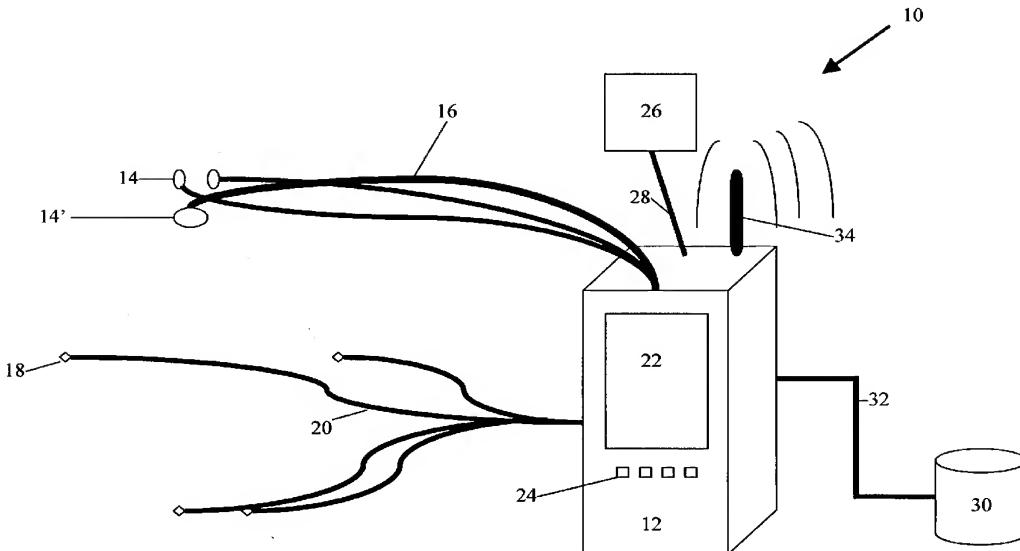
Published:

— with international search report

(88) Date of publication of the international search report:
22 December 2005

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR NEUROLOGICAL INJURY DETECTION, CLASSIFICATION AND SUBSEQUENT INJURY AMELIORATION



WO 2005/089430 A3

(57) Abstract: A system (10) and method for detecting and analyzing neurological damage in an injured subject are provided using electrical nerve conduction analyses supported by a computing device (12). An appropriate neurologically protective pharmaceutical for that injury type and circumstances based on the result of said analyses is suggested.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.